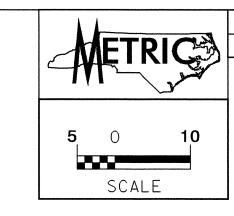
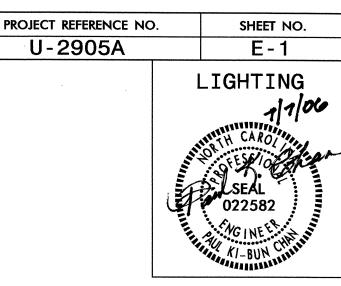
PLANS AND DETAILS FOR PROPOSED LIGHTING /ELECTRICAL CONSTRUCTION



LEGEND



NOTES

INTERCEPT EXISTING CIRCUITRY WITH STUB OUT INSIDE JB-4

ABANDON OR REMOVE EXISTING HIGH MOUNT FOUNDATION

ABANDON EXISTING CIRCUITRY AND USE THE EXISTING ELECTRICAL DUCT

PLAN

SYMBOL

TOTAL

LOCATE ALL JUNCTION BOXES OUTSIDE CLEAR ZONE AND IN AN AREA UNLIKELY TO BE USED BY TRAFFIC

SCOPE OF WORK

RELOCATE 30m HIGH MOUNT STANDARD AND CIRCUITRY IN CONFLICT WITH CONSTRUCTION.

DESIGN CRITERIA

2005 AASHTO "ROADWAY LIGHTING DESIGN GUIDE"

2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS

NUMBER

JB4

TOTAL

2005 NATIONAL ELECTRICAL CODE

CONTRACT ITEM

2 #2 W/G FEEDER CIRCUIT IN TS-1.5 CONDUIT

2002 AASHTO ROADSIDE DESIGN GUIDE

ROADWAY STANDARDS

THE FOLLOWING DRAWINGS, AS APPEAR IN "NCDOT ROADWAY STANDARD DRAWINGS - METRIC", ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION RALEIGH, N.C., DATED JANUARY 2002, AND DETAIL NUMBER 1402D01AND ATTACHED HEREWITH, ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:



EXISTING 30m HIGH MOUNT STANDARD WITH FOUNDATION & FOUR (4) HM LUMINAIRES OF 1KW HPS

DRAWING NO. TITLE 1402D01 HIGH MOUNT FOUNDATION 1409.01

1410.01

1411.01

TYPE

PC18

PC18

SHEET

E2

E2

E2

ELECTRICAL DUCT FEEDER CIRCUITS

ELECTRICAL JUNCTION BOXES

JANUARY 2002 AND PROJECT SPECIAL PROVISIONS, TITLED LIGHTING.

ALL WORK SHALL BE IN CONFORMANCE WITH DIVISION 14 OF THE

STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, DATED

PROPOSED NEW LOCATION OF 30m HIGH MOUNT STANDARD WITH HM FOUNDATION 110 MPH WIND SPEED

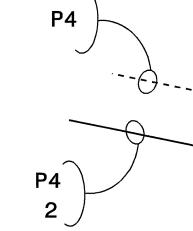
PB

EXISTING ELECTRICAL JUNCTION BOX

PROPOSED ELECTRICAL JUNCTION BOX TYPE PC18 (450mm L X 300mm W X450mm H) LOCATION: SEE TABLE B, THIS SHEET

JB-10

REFERENCE TO CORRESPONDING NOTE AS NUMBERED



EXISTING FEEDER CIRCUIT CONTROL SYSTEM (P), CIRCUIT (4)

PROPOSED FEEDER CIRCUIT CONTROL SYSTEM(P), CIRCUIT (4) PLAN SYMBOL (2) LOCATION: SEE TABLE A, THIS SHEET

EXISTING ELECTRICAL DUCT, SIZE TS-3

PROPOSED ELECTRICAL DUCT, SIZE TS-3 BURIED (BD) LOCATION: SEE TABLE C, THIS SHEET

EXISTING ELEC. DUCT TS-3 PROPOSED ELEC. DUCT TS-3 BD

TYPICAL LENGTH IN METERS BURIED (BD) JACKED (JA) SHEET STATION RACEWAY SIZE SIZE SIZE | SIZE | SIZE | SIZE SIZE SIZE TS-2 | TS-3 | TS-4 | TS-8 | TS-2 | TS-3 | TS-4 | TS-8 **E2** 10+75 -LPC-

9

TABLE "C"

ELECTRICAL DUCT SUMMARY

TABLE "A"

CIRCUITRY CONDUCTOR CONDUIT TYPE & SIZE

DESCRIPTION

2 AWG SIZE 2 CONDUCTOR (BK & RD)

1 AWG SIZE 4 GROUNDING CONDUCTOR

TS-1.5 PVC CONDUIT

ABBREVIATIONS

TABLE "B" JUNCTION BOX SUMMARY

BURIED

LIGHT

LOCATION

STA. 10+50 -LPC- 8.6m RT

STA. 10+75 -LPC- 8m LT

STA. 31+19 -L- 14m RT

JACKED

MOUNTING HEIGHT

PHASE PVC SCHEDULE 40 CONDUIT

RIGID GALVANIZED STEEL CONDUIT

CONDUIT

CIRCUIT

NEUTRAL

GROUND **ABANDON**

TRADE SIZE

HIGH MOUNT STANDARD

Description Approved NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROADWAY DESIGN UNIT LIGHTING/ELECTRICAL SECTION

RELOCATION OF HIGH MOUNT STANDARD INSIDE PROPOSED LOOP-C AT BURLINGTON-WESTERN ALAMANCE LOOP INTERCHANGE CONSTRUCTED UNDER TIP U2905 IN ALAMANCE COUNTY

Drawn By: SKS 07/05/06

07-JUL-2006 |2:33 r:\lightingelectric \$\$\$USERNAME\$\$\$

SKS 07/05/06

PROJECT REFERENCE NO. SHEET NO. E3

LIGHTING

CARO

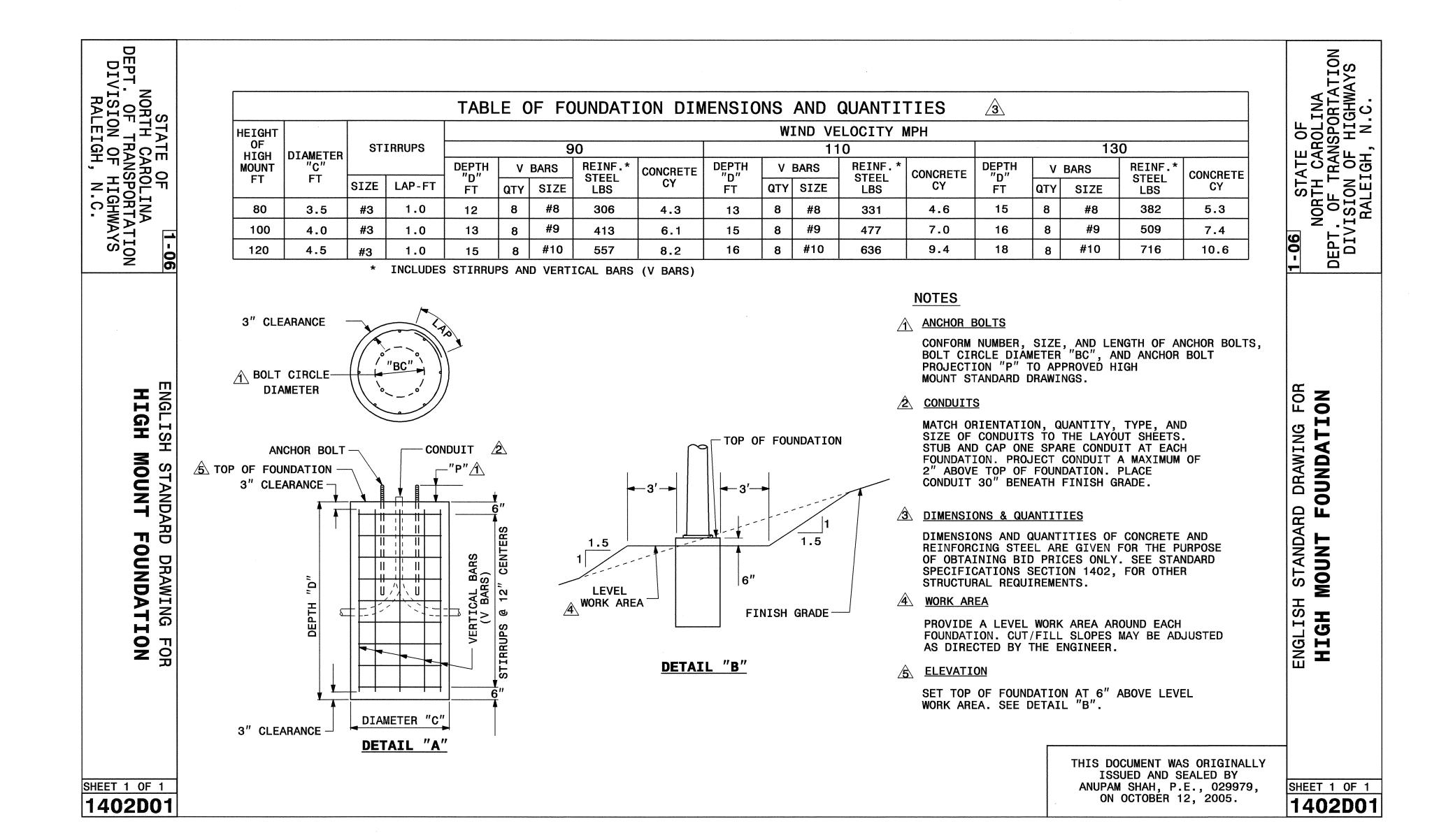
FESSION

SEAL

022582

MGINEE

KI-BUN CHRISTON



2
1
Rev. Date Description Approved
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DESIGN SERVICES LIGHTING/ELECTRICAL SECTION

LIGHTING DETAILS

HIGH MOUNT FOUNDATION

Drawn By: Approved PKC

Approved By: Dwg No.: